

CLAIMS:

1. Method of scanning lines in a display, the method including the steps of
selecting lines to be scanned,
scanning the lines and
varying selection and scanning of lines so as to reduce tracking by a human
5 eye of energy variations caused by scanning.
2. Method according to claim 1, further including:
selecting a line to be scanned during a frame of the display according to a non-
consecutive selection criterion,
10 scanning the selected line,
continuing selecting other lines according to the non-consecutive selection
criterion, and
scanning the other lines until at least a set of lines of the display have been
scanned during the frame,
15 wherein the non-consecutive selection criterion provides at least two different
step sizes to be used when selecting lines within the set.
3. Method according to claim 2, wherein the set of lines comprises a set of
consecutive lines of the display less than all lines of the display.
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4. Method according to claim 2, wherein the set of lines includes all lines of the
display.
5. Method according to claim 2, wherein the non-consecutive selection criterion
25 comprises selecting a line in between the first and the last line and thereafter alternately
selecting a lower order line and a higher order line relative to the first selected line until all
lines of the set of lines have been scanned.

6. Method according to claim 2, comprising the step of changing the scanning direction between at least some sequentially selected lines within the set.

7. Method according to claim 2, wherein the step sizes are varied between sequentially selected lines or groups of lines.

8. Method according to claim 2, wherein the non-consecutive selection criterion comprises a randomized selection of not-yet-scanned lines.

9. Method according to claim 3, further including a second set of lines also including a first and a last line, and the steps of selecting, continuing selecting and scanning are performed on the second set of lines.

10. Method according to claim 9, comprising the step of changing the scanning direction between at least some sequentially selected lines within the sets.

11. Method according to claim 9, wherein the non-consecutive selection criterion comprises selecting a line in between the first and the last line of the first set and thereafter alternately selecting a lower order line and a higher order line relative to the first selected line until all lines of the first set have been scanned and selecting a line in between the first and the last line of the second set and thereafter alternately selecting a lower order line and a higher order line relative to the first selected line of the second set until all lines of the second set of lines have been scanned.

12. Method according to claim 11, wherein a lower order line in the first set is selected simultaneously with a higher order line in the second set and a higher order line in the first set is selected simultaneously with a lower order line in the second set.

13. Method according to claim 9, wherein the non-consecutive selection criterion comprises separate randomized selection of not-yet-scanned lines within each set.

14. Method according to claim 1, comprising selecting a first selection criterion for a first frame, using said criterion for the first frame, selecting a second selection criterion

for a second frame and using said second criterion for the second frame so that line selection and scanning is varied between frames.

15. Display control (1) comprising:

5 a line driving unit and

a control unit,

wherein the control unit is arranged to vary selection of lines to be scanned and to control the line driving unit to scan the selected lines so as to reduce tracking by a human eye of energy variations caused by scanning.

10 16. Device according to claim 15, wherein the control unit is arranged to select lines to be scanned during a frame of the display according to a non-consecutive selection criterion and to control the line driving unit to scan the selected lines of the display until at least a set of all the lines of the display has been scanned during the frame, and wherein the
15 non-consecutive selection criterion provides at least two different step sizes to be used when selecting lines within the set.

17. Device according to claim 15, wherein the control unit is arranged to choose a first non-consecutive selection criterion, use said first criterion during at least a first frame,
20 choose a second non-consecutive selection criterion and use said second criterion during at least a second frame so that line selection and scanning is varied between frames.

18. An electronic device including a display and a display control device, wherein the display control device comprises:

25 a line driving unit and

a control unit,

wherein the control unit is arranged to vary selection of lines to be scanned and to control the line driving unit to scan the selected lines so as to reduce tracking by a human eye of energy variations caused by scanning.